

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-001089**Date Inspected:** 04-Dec-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** None Required**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector, Ken Jobes, arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China, to randomly monitor welding and Quality Control (QC) functions. While on site, the QA Inspector observed and/or discovered the following:

The Caltrans QA Inspector received the plate material list for Batch No. 43. The following seven (7) plate Nos. from the production plate list were observed: 2852, 2903, 2907, 2908, 2912, 2916 and 2917. All other plates on this list had been previously received. The plates were observed for their general condition and identification marking, including accurate transfer of original manufacturer's required identification. The plates were designated as ASTM A709M-345T2-X and ASTM A709M-345F2-X and ranged in thickness from 12 mm to 18 mm. The QA Inspector assigned Lot No. B93-014-07 to these seven plates on Batch No. 43. This completed the receiving of Batch No. 43 plate material. The QA Inspector was accompanied by ZPMC Quality Assurance Representatives, Mr. Zhang Jiadi during these observations.

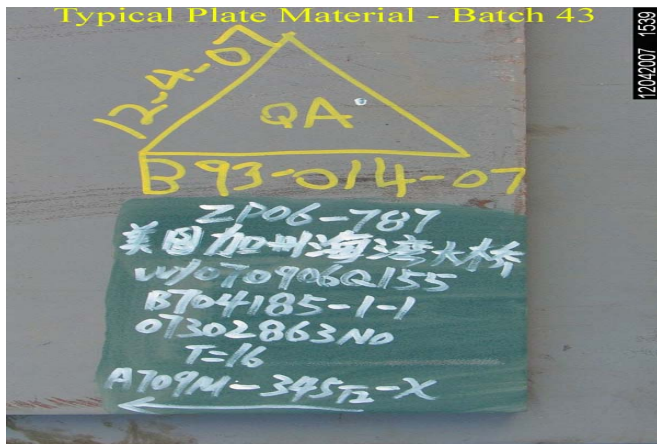
The QA Inspector also observed the cleaning by grinding of WT stiffeners welded to side plates including SP047-01-023 through 028. This was on the OBG.

The QA Inspector also accompanied QA Inspector, Dan Hernandez, in performing a visual inspection on closed rib to box shell plate, Section B, No. 4 on the OBG.

All observations appeared to meet the requirements of the job specifications.

WELDING INSPECTION REPORT

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Summary of Conversations:

As identified within the contents of this report.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By: Jobes, Kenneth

Quality Assurance Inspector

Reviewed By: Cochran, Jim

QA Reviewer